



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inter Office Application of

Appl. No. : 10/643,634  
Applicant : Torbjörn B. LUNDQVIST  
Filed : 18 August 2003  
TC/A.U. : Not Assigned  
Examiner : Not Assigned

Confirmation No. : Not Assigned

Docket No. : 48304.00017  
Customer No. : 23767

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18 November 2003  
(Date of Deposit)

John W. Wallen, III, Esq.  
(Name of applicant, assignee, or Registered Representative)

(Signature)

18 November 2003  
(Date of Signature)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

Applicant(s) reserve(s) the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be

prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

☒ In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified national application (other than a continued prosecution application under §1.53(d)), within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of a request for continued examination under §1.114, no additional fee is required.

☐ In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

☐ Statement in Accordance with §1.97(e) (attached); or

☐ Please charge Deposit Account No. \_\_\_\_\_ the fee of \$180.00 as set forth in §1.17(p).

☐ In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or an action that otherwise closes prosecution and that it is accompanied by one of:

☐ Statement in Accordance with §1.97(e) (attached); or

☐ Please charge Deposit Account No. \_\_\_\_\_ the fee of \$180.00 as set forth in §1.17(p).

☐ In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee. Applicant(s) hereby petition(s) for consideration of this Information Disclosure Statement. Included are: Statement in Accordance with §1.97(e) as set forth below and the fee of \$180.00 as set forth in §1.17(p).

☒ In accordance with the Notice published in the 05 August 2003 Official Gazette of the USPTO regarding the waiver of requirements under §1.98(a)(2)(i) for submitting a copy of each U.S. patent for all U.S. National patent applications filed after 30 June 2003, copies of the U.S. patents listed on the attached Form PTO-1449 are not enclosed.

☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:

☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

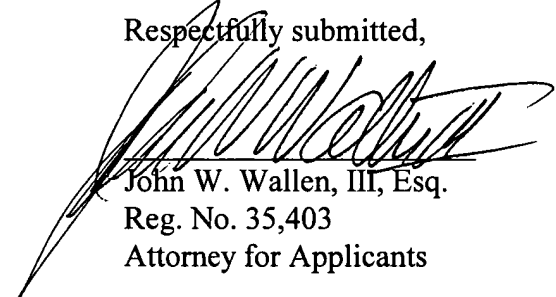
☐ If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

- ☒ There are no listed references which are not in the English language.
- ☐ The relevance of those listed references which are not in the English language is as follows:
- ☒ Attached are copies of search report(s) from corresponding patent application(s), which are listed on the attached Submission Under MPEP 609 D.
- ☐ Attached are the following non-published pending patent applications which may be deemed relevant, which are listed on the attached Submission Under MPEP 609 D.

Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1067.  
This form is submitted in triplicate.

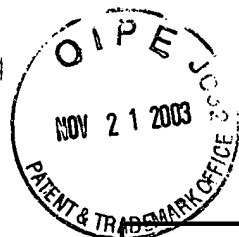
DATE: 18 November 2003

Respectfully submitted,



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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary) <b>Sheet 1 of 1</b>	<b>Application Number</b>	10/643,634
	<b>Filing Date</b>	18 August 2003
	<b>First Named Inventor</b>	LUNDQVIST
	<b>Group Art Unit</b>	Not Assigned
	<b>Examiner Name</b>	Not Assigned
	<b>Attorney Docket Number</b>	48304.00017

U.S. Patent Documents					
Examiner's Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>1</sup> (if known)			
		US 6,371,178	04-16-2002	Wilson	
		US-6,006,600	12-28-1999	Cheng	
		US-5,886,254	03-23-1999	Chi	
		US 5,883,305	03-16-1999	Jo et al.	
		US-5,856,619	02-05-1999	Wang	
		US 5,581,023	12-03-1996	Handfield et al.	
		US-5,557,256	09-17-1996	Achterholt	
		US-5,119,066	06-02-1992	Ballyns	
		US-5,055,826	10-08-1991	Ballyns	
		US-4,975,679	12-04-1990	Ballyns	
		US 4,918,423	04-17-1990	Fukuyama et al.	
		US-4,890,090	12-26-1989	Ballyns	
		US-4,819,686	04-11-1989	Achterholt	

Foreign Patent Documents						
Examiner's Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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